

RP-MC311PSC20

10/100/1000 Base-T to 100/1000Base-LX Gigabit PoE Media Converter

The RP-MC311PSC20 is a high-performance Gigabit PoE media converter designed to seamlessly bridge 10/100/1000Base-T copper and 100/1000Base-LX fiber connections. It offers a reliable and flexible solution for extending network reach in enterprise and industrial environments.

Supporting IEEE 802.3, 802.3u, 802.3z, 802.3ab, and 802.3af/at standards, it delivers both data and power over Ethernet cables, simplifying installation for PoE-enabled devices. Its store-and-forward design ensures efficient data handling with minimized transmission errors.

With automatic MDI/MDI-X and full/half-duplex detection, setup is quick and hassle-free. The converter extends network distance up to 20Km over multimode fiber and operates reliably in ambient temperatures from 0 °C to 40 °C, ensuring stable performance in varied conditions.



Features

- Supports IEEE 802.3, 802.3u, 802.3z, 802.3ab, and 802.3af/at PoE
- Gigabit Media Conversion, converts 10/100/1000Base-T to 100/1000Base-LX
- Increases network range up to 20km over fiber
- Supports auto-sensing for full/half-duplex modes
- MDI/MDI-X Auto-Sensation, automatically adjusts for different cables
- Store-and-Forward, Buffers packets to reduce transmission errors
- Supports power delivery via IEEE 802.3af/at
- Robust Operation: 0 °C to 40 °C ambient temperature

Specifications

Standard	<ul style="list-style-type: none">• IEEE802.3 10Base-T Ethernet, IEEE802.3u 100Base-TX Fast Ethernet, IEEE802.3ab 1000Base-T,• IEEE802.3z 1000Base-LX Gigabit Ethernet• IEEE802.3af/at PoE
Interface	<ul style="list-style-type: none">• One 10/100/1000BASE-T PoE+ port• One 100/1000Base-X Multi-mode SC fiber port (20km)
DIP Switch	<ul style="list-style-type: none">• DIP 1: LFP On/Off• DIP 2: Flow Control On/Off
Switch fabric	<ul style="list-style-type: none">• 4 Gbps
Throughput	<ul style="list-style-type: none">• 2.976 Mpps
Jumbo Frame	<ul style="list-style-type: none">• 9KB
MAC address table	<ul style="list-style-type: none">• 2K
LED indicators	<ul style="list-style-type: none">• PWR (Green) power supply• 1000 (Green) 1000Mbps for UTP• 100 (Green) 100Mbps for UTP• L/A (Green) Link/Active for UTP• FX (Green) Link/Active for Fiber• FDX (Green) Full duplex mode for UTP
Power supply	<ul style="list-style-type: none">• External power adapter DC52V/65W
Power consumption	<ul style="list-style-type: none">• Max. 30W
Operating Temperature	<ul style="list-style-type: none">• 0~40°C
Operating Humidity	<ul style="list-style-type: none">• 5%~90%
Storage Temperature	<ul style="list-style-type: none">• -40~70°C
Storage Humidity	<ul style="list-style-type: none">• 5% ~ 90% non-condensing
Dimensions	<ul style="list-style-type: none">• 71 × 94 × 26 mm (WxDxH)
Certification	<ul style="list-style-type: none">• CE, FCC

Ordering information

RP-MC311PSC20 10/100/1000Base-T to 100/1000Base-LX Gigabit PoE Media Converter, MM/SC-20km